BEECHCRAFT G36 BONANZA

SPECIFICATIONS

Powerplant: Teledyne Continental IO-550-B, 300-hp
Recommended TBO: 1,700 hr
Propeller: Hartzell 3-blade, 80-in diameter, constant-speed
Length: 27 ft 6 in
Height: 8 ft 7 in
Wingspan: 33 ft 6 in
Wing area: 181 sq ft
Wing loading: 20.2 lb/sq ft
Power loading: 12.2 lb/hp
Seats: 6
Standard empty weight: 2,530 lb
Maximum ramp weight: 3,663 lb
Maximum gross takeoff weight: 3,650 lb
Maximum useful load: 1,133 lb
Maximum payload w/full fuel: 689 lb
Fuel capacity: 80 gal (74 gal usable)
Baggage capacity (with six seats): 270 lb, 47 cu ft

PERFORMANCE

Takeoff distance, ground roll, flaps approach: 1,000 ft
Takeoff distance over 50-ft obstacle, flaps approach: 1,913 ft
Takeoff distance, ground roll, flaps up: 1,250 ft
Takeoff distance over 50-ft obstacle, flaps up: 2,130 ft max
Demonstrated crosswind component: 17 kt
Rate of climb, sea level: 1,230 fpm
Cruise speed/range w/45-min rsv (fuel consumption)
@ High-speed, 8,000 ft, 20-deg rich of peak EGT: 174 kt/714 nm (15.7 gph)
@ Normal speed, 10,000 ft, 20-deg rich of peak EGT: 163 kt/758 nm (13.3 gph)
Service ceiling 18,500 ft
Landing distance over 50-ft obstacle 1,500 ft
Landing distance, ground roll 950 ft

**LIMITING AND RECOMMENDED AIRSPEEDS**

\( V_x \) (best angle of climb) 84 KIAS
\( V_y \) (best rate of climb) 100 KIAS
\( V_A \) (design maneuvering) 141 KIAS
\( V_{FE} \) (max flap extended), full flaps 124 KIAS
\( V_{FE} \) (max flap extended), approach flaps 154 KIAS
\( V_{LE} \) (max gear extended) 154 KIAS
\( V_{LO} \) (max gear operating) 154 KIAS

Extend 154 KIAS
Retract 154 KIAS
\( V_{NO} \) (max structural cruising) 167 KIAS
\( V_{NE} \) (never exceed) 205 KIAS
\( V_R \) (rotation), flaps up 73 KIAS
\( V_R \) (rotation), flaps approach 67 KIAS
\( V_{S1} \) (stall, clean) 68 KIAS
\( V_{SO} \) (stall, in landing configuration) 61 KIAS

For more information, contact Raytheon Aircraft Company, 10511 East Central, Wichita, Kansas 67206; telephone 316/676-5034; fax 316/676-4819; [http://beechcraft.txtav.com/en/bonanza-g36](http://beechcraft.txtav.com/en/bonanza-g36)

All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, sea level, gross weight conditions unless otherwise noted.

Source: [www.aopa.org](http://www.aopa.org)